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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NO. DE030221
		U.S. Application No. (if known, see 37 CFR 1.5) 10/563844
INTERNATIONAL APPLICATION NO. PCT/IB2004/051043	INTERNATIONAL FILING DATE June 29, 2004	PRIORITY DATE CLAIMED July 8, 2003
TITLE OF INVENTION RECONSTRUCTION OF THE CURRENT FLOW IN A VESSEL SYSTEM		
APPLICANT(S) FOR DO/EO/US THOMAS KOHLER; MICHAEL GRASS		
<p>Applicant(s) herewith submit to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none">1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9), and (21) indicated below.4. <input type="checkbox"/> The US has been elected (Article 31).5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<ol style="list-style-type: none">a. <input type="checkbox"/> is attached hereto (required only if not transmitted by the International Bureau).b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<ol style="list-style-type: none">a. <input type="checkbox"/> is attached hereto.b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<ol style="list-style-type: none">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).b. <input type="checkbox"/> have been communicated by the International Bureau.c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.d. <input checked="" type="checkbox"/> have not been made and will not be made.8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none">11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.13. <input checked="" type="checkbox"/> A preliminary amendment.14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.15. <input type="checkbox"/> A substitute specification.16. <input type="checkbox"/> A power of attorney and/or change of address letter.17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).20. <input checked="" type="checkbox"/> Other items or information: Express Mail Certificate; PTO/SB/80; Charge Authorization; Receipt Confirmation Postcard PTO/SB/08A; PTO/SB/08B; PTO/SB/98		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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I hereby certify that this paper and fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop Box PCT, P.O. Box 1450, Alexandria, VA 22313-1450.

Marianne Fox
Name

Marianne Fox
Signature

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<div style="font-size: 24pt; font-weight: bold; text-align: center;">10/563844</div> U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)	INTERNATIONAL APPLICATION NO. PCT/B2004/051043	ATTORNEY'S DOCKET NUMBER DE030221								
The following fees have been submitted: 21. <input checked="" type="checkbox"/> Basic National Fee..... \$300 22. <input checked="" type="checkbox"/> Examination Fee (If international preliminary examination report prepared by USPTO and all claims satisfy provisional of: PCT Article 33(1)-(4)..... \$100 All other situations..... \$200 23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office.... \$400 All other situations..... \$500 <div style="text-align: right;">TOTAL OF 21, 22 and 23 =</div>		<div style="text-align: right;">(PTO USE ONLY)</div> CALCULATIONS \$300.00 \$200.00 \$400.00 \$900.00								
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Total Sheets</th> <th style="text-align: left;">Extra Sheets</th> <th style="text-align: left;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="text-align: left;">RATE</th> </tr> <tr> <td style="text-align: center;">-100</td> <td style="text-align: center;">/50 =</td> <td></td> <td style="text-align: center;">X \$250</td> </tr> </table>		Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	-100	/50 =		X \$250	\$
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE							
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TOTAL OF ABOVE CALCULATIONS =			\$900							
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/3.										
SUBTOTAL =			\$900							
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).			\$							
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property			\$ 40.00							
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			(SIGNATURE) David Barnes (NAME) Reg. No. 47,407 (REGISTRATION NUMBER)							

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23. [X] Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office.... \$400 All other situations..... \$500				\$400.00	
TOTAL OF 21, 22 and 23 =				\$900.00	
[] Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
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Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	10 - 20 =	0	X \$ 50.00	\$	
Independent claims	2 - 3 =	3	X \$ 200.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$ 360.00	\$ 0.00	
TOTAL OF ABOVE CALCULATIONS =				\$900	
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SUBTOTAL =				\$900	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$900.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
TOTAL FEES ENCLOSED =				\$940.00	
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<p>a. [] A check in the amount \$_____ to cover the above fees is enclosed.</p> <p>b. [X] Please charge my Deposit Account No. <u>14-1270</u> (Customer No. 24737) in the amount of \$ <u>940.00</u> to cover the above fees.</p> <p>c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>14-1270</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. [] Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Corporate Patent Counsel Philips Electronics North America Corporation P.O. Box 3001 Briarcliff Manor, NY 10510-8001</p>					
				(SIGNATURE)	
				David Barnes	
				(NAME)	
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